

TABLE 21
FURNACE DATA SHEET

Number from flow diagram			Furnace Type	
Furnace Manufacturing			___ Electric ___ Arc	
Model Number			___ Reverberatory ___ Channel	
Size (Dimensions)			___ Crucible ___ Coreless	
			___ Pot ___	
			___ Annealing or HT ___ Cupola	
			___ Reheat ___ Retort	
			___ Blast ___ Other	
FURNACE OPERATION				
Metal Type Melted			Type Heat Additives	
Melting Capacity (tons/hr.)			Qty. of Heat Additives	
Holding Capacity (tons)			Pouring Temp.(°F)	
Charge Makeup			Afterburner(BTU/hr.)	
			Ductile Iron Prod.(tons/hr.)	
			Method Temp. Control	
Charging Method				
Oxygen Injection			Tuyere Air(SCFM*)	
CHARACTERISTICS OF FUEL INPUT				
Fuel Type	Chemical Composition (% by Weight)	Inlet Air Temp. °F	Fuel Flow Rate (SCFM* or lb/hr.)	
			Average	Design Max.
		Total Air Supplied (SCFM*)		Gross Heating Value of Fuel (specify units)
CHARACTERISTICS OF STACK OUTPUT				
Material Emitted		Chemical Composition and Rate of Release		
STACK PARAMETERS				
Stack Diameter	Stack Height	Temp. °F	Velocity	Moisture %

Also supply an assembly drawing, dimensions, and to scale, in as many sections as are needed to show clearly the operation of the furnace.

*STANDARD CONDITIONS: 70°F,14.7 PSIA